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65913 <b>NXP</b> , B.V.	7590 10/07/200	8	EXAMINER	
	ECTUAL PROPERTY	ZIA, SYED		
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			2131	
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## Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	10/587,727	TIMMERMANS, DANIEL
Office Action Summary	Examiner	Art Unit
	SYED ZIA	2131
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period.  - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION  1.136(a). In no event, however, may a reply be downward will expire SIX (6) MONTHS froute, cause the application to become ABANDO	ON.  timely filed  om the mailing date of this communication.  NED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 26     This action is <b>FINAL</b> . 2b) ☑ The 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters, p	
Disposition of Claims		
4) ☐ Claim(s) 1-11 is/are pending in the application 4a) Of the above claim(s) is/are withdrest is/are allowed.  5) ☐ Claim(s) is/are allowed.  6) ☐ Claim(s) 1-11 is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) are subject to restriction and are subject to restriction and are subject to restriction and are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing subjected to by the Examination of the drawing subjected to are subjected to by the Examination of the drawing subjected to are subjected to by the Examination of the drawing subjected to are subjected to by the Examination of the drawing subjected to are subjected to by the Examination of the drawing subjected to be a subjected	rawn from consideration.  I/or election requirement.  ner.  ccepted or b) □ objected to by the ne drawing(s) be held in abeyance. S	See 37 CFR 1.85(a).
11)☐ The oath or declaration is objected to by the		
Priority under 35 U.S.C. § 119		
<ul> <li>12) Acknowledgment is made of a claim for foreignal All b) Some * c) None of:</li> <li>1. Certified copies of the priority docume</li> <li>2. Certified copies of the priority docume</li> <li>3. Copies of the certified copies of the priority docume</li> <li>* See the attached detailed Office action for a limited copies.</li> </ul>	ents have been received. Ents have been received in Applicationity documents have been received (PCT Rule 17.2(a)).	ation No ived in this National Stage
Attachment(s)  1)  Notice of References Cited (PTO-892) 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948) 3)  Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>07/06</u> .	4)  Interview Summa Paper No(s)/Mail 5)  Notice of Informa 6)  Other:	

## **DETAILED ACTION**

This office action is in response to application filed on July 26, 2006. Original application contained Claims 1-11. Therefore, Claims 1-11 are pending for further consideration.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Vergnes (U. S. Publication No.: 2005/0089060 A1).

1. Regarding Claim 1 Vergnes teaches and describes an electronic circuit for cryptographic processing, having a set of combinatorial logical circuits, the set of combinatorial logical circuits comprising a first combinatorial logical circuit, arranged to perform a first set of logical

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operations on input data and to produce output data, the output data having a functional relation to the input data, characterized in that the set of combinatorial logical circuits further comprises at least a second combinatorial logical circuit, arranged to perform a second set of logical operations on the same input data and to produce output data, the output data having an identical functional relation to the input data, wherein the first set of logical operations is different from the second set of logical operations, and wherein the electronic circuit is arranged to dynamically select one combinatorial logical circuit of the set of combinatorial logical circuits for performing logical operations on the input data and producing output data (Fig.4-6, and [0031-0036, 0046-0047, and 0051]).

2. Regarding Claim 5 Vergnes teaches and describes an electronic circuit for cryptographic processing, comprising: a combinatorial logical circuit arranged to perform logical operations on input data and to produce output data, a storage element for storing output data produced by the combinatorial logical circuit, characterized in that the electronic circuit further comprises a first set of an encoding means and a corresponding decoding means, arranged for encoding first output data before storing the first output data in the storage element and decoding the first output data after retrieving the first output data from the storage element, respectively, and wherein the electronic circuit is arranged to dynamically control the activation of the first set of an encoding means and a corresponding decoding means (Fig.4-6, and [0031-0036, 0046-0047, and 0051]).

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- 3. Regarding Claim 9 Vergnes teaches and describes a method of processing cryptographic data, comprising: using a first set of logical operations for processing input data and producing output data, the output data having a functional relation to the input data, characterized in that the method further comprises: using a second set of logical operations for processing the same input data and producing output data, the output data having an identical functional relation to the input data, wherein the first set of logical operations is different from the second set of logical operations, dynamically selecting a set of logical operations, of a set comprising at least the first set of logical operations and the second set of logical operations, for processing the input data (Fig.4-6, and [0031-0036, 0046-0047, and 0051]).
- 4. Regarding Claim 10 Vergnes teaches and describes a method of processing cryptographic data, comprising: using a set of logical operations for processing input data and producing output data, storing the output data in a storage element, characterized in that the method further comprises: encoding the output data before storing the output data in the storage element, decoding the encoded output data after retrieving from the storage element, dynamically controlling the encoding and corresponding decoding of the output data (Fig.4-6, and [0031-0036, 0046-0047, and 0051]).
- 5. Claims 2-4, 6-8, and 11 are rejected applied as above rejecting Claims 1, 5, and 10. Furthermore, Vergnes teaches and describes a method of processing cryptographic data, wherein

As per Claim 2, comprising at least a first set of combinatorial logical circuits and a second set of combinatorial logical circuits, and arranged to use output data produced by the first

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set of combinatorial logical circuits as input data of the second set of combinatorial logical circuits (Fig.4, and [0031-0033, and 0051]).

As per Claim 3, further comprising: a selection circuit arranged for generating a signal to select one combinatorial logical circuit of the set of combinatorial logical circuits, a splitter circuit arranged for inputting the input data to one combinatorial logical circuit of the set of combinatorial logical circuits, depending on the signal, a merger circuit arranged for outputting the output data from one combinatorial logical circuit of the set of combinatorial logical circuits, depending on the signal (Fig.4, and [0034-0036, 0046-0047]).

As per Claim 4, further comprising a timing circuit arranged to determine the points in time at which the selection circuit generates the signal to select one combinatorial logical circuit of the set of combinatorial logical circuits (Fig.4-6, and [0046-0048]).

As per Claim 6, further comprising a second set of an encoding means and a corresponding decoding means, arranged for encoding second output data before storing the second output data in the storage element and decoding the second output data after retrieving the second output data from the storage element, respectively, wherein the encoding of the first output data is different from the encoding of the second output data, and wherein the electronic circuit is further arranged to dynamically select one set of an encoding means and a corresponding decoding means, of a set comprising at least the first set of an encoding means and a corresponding decoding means and the second set of an encoding means and a corresponding decoding means, for encoding and decoding of the output data (Fig.5, and [0037-0045]).

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As per Claim 7, further comprising a timing circuit arranged to determine the points in time at which the electronic circuit selects one set of an encoding means and a corresponding decoding means, of a set comprising at least the first set of an encoding means and a corresponding decoding means and the second set of an encoding means and a corresponding decoding means (Fig. 5, and [0046-0049]).

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As per Claim 8, the combinatorial logical circuit comprises a first combinatorial logical circuit and at least a second combinatorial logical circuit, the first combinatorial logical circuit arranged to perform a first set of logical operations on input data and to produce output data, the output data having a functional relation to the input data, the second combinatorial logical circuit arranged to perform a second set of logical operations on the same input data and to produce output data, the output data having an identical functional relation to the input data, wherein the first set of logical operations is different from the second set of logical operations, and wherein the electronic circuit is arranged to dynamically select one combinatorial logical circuit, of a set comprising at least the first combinatorial logical circuit and the second combinatorial logical circuit, for performing logical operations on the input data and producing output data (Fig.4-6, and [0031-0047, and 0051]).

As per Claim 11, a cryptographic device comprising an electronic circuit according to claim 1 (Fgi.4-6).

## Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED ZIA whose telephone number is (571)272-3798. The examiner can normally be reached on 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

sz September 26, 2008 /Syed Zia/ Primary Examiner, Art Unit 2131